

# SAM 101

## Basic Software Acquisition Management

This course covers introductory-level concepts in DoD information systems acquisition management. It covers software acquisition/development risks, DoD regulatory and technical frameworks, software and system architectures, and software development life cycle and integration processes. Software standards, measurements, testing, security, quality issues, process maturity, as well as “best practices” for the management of software-intensive systems are also reviewed.

**Objectives:** Students who successfully complete this course will be able to:

- understand software acquisition and information technology management-specific terms and concepts;
- recognize software measures, development models, paradigms, and strategies appropriate for use in software-intensive acquisitions;
- recognize organizational and individual roles and responsibilities; and
- reference sources for software acquisition and information technology management policies, standards, and best practices.

**Who Should Attend:** This course is open to all military officers, O-1 through O-3, and DoD civilians, GS-9 and below, working in, or selected for, software acquisition management positions. This course is recommended for those who have duties including software acquisition or information technology management. Functionally equivalent to IRM 101, it is an excellent introductory course for personnel of any rank/grade who are involved in the management of a DoD software-intensive system.

**Prerequisite:** ACQ 101

**Length:** This is a nonresident, self-paced course available through the Internet. Students must pass the final examination within 60 calendar days of the start date.

**Method of Delivery:** Distance Learning—See “Online Courses” on page 12



**PDS Code:** JHB

# SAM 201

## Intermediate Software Acquisition Management

Using in-depth integrated product team case studies, labs, and exercises supplemented by lecture and group discussion, students learn how to manage DoD software-intensive systems. They also learn to apply a variety of real-world software acquisition management “best practices.” Topics include requirements management, architectures, cost estimation, vendor qualification, metrics, process maturity, quality, testing, and more.

**Objectives:** Students who successfully complete this course will be able to:

- apply acquisition strategies used for software and software-intensive systems;
- evaluate factors related to software architecture and systems architecture;
- perform domain analysis on a software-intensive system acquisition,
- assess program software life cycle planning and test program planning factors;
- apply requirements management and risk mitigation;
- illustrate the value of modeling and simulation in requirements analysis; and
- analyze software performance measures.

**Who Should Attend:** This course is open to all military officers, O-3 through O-5, and DoD civilians, GS-9 through GS-12, working in, or selected for, software acquisition management positions. This course is recommended for those who serve in Level II acquisition positions and have duties that include software acquisition management. Additionally, this course is part of the Information Technology career certification Level II requirement.

**Prerequisites:** ACQ 201B and either SAM 101 or IRM 101

**Recommended:** Completion of the Technical Reviews continuous learning module, which can be found at <http://clc.dau.mil>, is recommended; those students who present a certificate for this module prior to the final exam will receive five bonus points toward their final grade.

**Length:** 5 class days

**Method of Delivery:** Resident/Local



**PDS Code:** JHC